



# FBLGE

## Customized air-cooled radiators

### General information & application

Air cooled radiators FBLGE have been designed for heavy industrial cooling applications for cooling of various process liquids.

Applications include:

- diesel and gas engine cooling
- turbine cooling
- oil cooling
- various processes (transformers, air compressors, etc.)

The radiators have been designed for outdoor use and to work even in the most extreme conditions.

Liquids	all liquids that do not corrode copper
Capacities	customer specification

### Standard configuration

- Finned coil
  - Cu-tubes
  - corrugated Al-fins, no turbulators
  - fin spacing 2.5 mm
- Fans are direct driven axial fan units and as standard suitable for use with frequency converters.  
*When designing frequency converter system, the general guidelines for allowed cable lengths, sine filters etc have to be considered.*
- The motors are squirrel-cage motors for outdoor use built to IEC standards and provided with condensing water outlets and shaft seals together with H-class insulation. Protection class for motors is IP55, except for the condensing water outlets. The motors are prewired to lockable safety switches.
- Fan diameters 1240 mm or 2000 mm.
- All casing parts are of hot dip galvanized steel plates or Aluzinc.
- Designed for multiple installations with several radiators installed side by side.



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- Transportation either in wooden seaworthy packing or standard 40' container.
- Venting and draining valves.
- Partitions between fans for regulation of the cooler capacity by means of separate use of the fans.

### Working/test pressure

Max working pressure is 6 barg. Each radiator is leak tested with dry air by submersion at 9 barg test pressure.

### Radiator selection

FBLGE radiators are always selected and customized on customer request. Please contact Alfa Laval for selections.

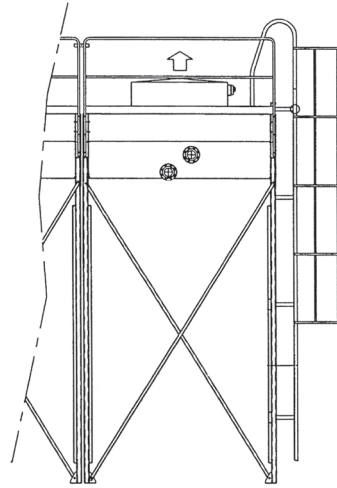


### Authorised agent

(IPC) Industrial Power Cooling Ltd, www.ipcuk.com, t: 00 44 (0) 845 873 9916, info@ipcuk.com

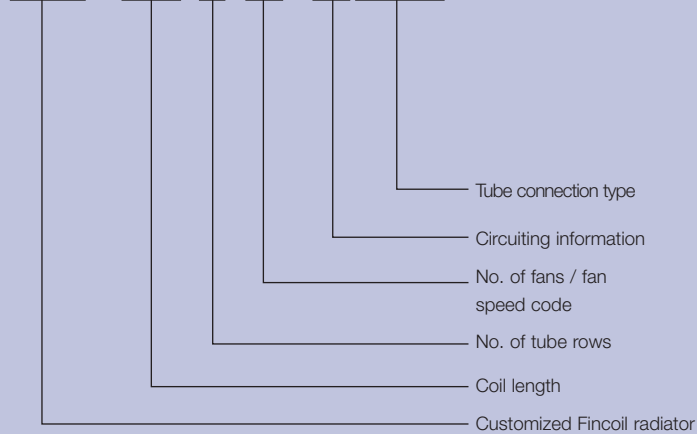
### Options

- Coil corrosion protection
  - fins of epoxy or vinyl coated aluminium
  - fins of copper
- Bigger fin spacing (3 mm or 4 mm)
- Combined model with LT- and HT-circuits
- Special fan motors (EX-classed, NEMA etc)
- Fan Step Control
- Epoxy painted casing (RAL colours)
- Higher mounting legs (up to 6m)
- Handrails and ladder for radiator group
- Common terminal box located in the end of radiator



### Code description

**FBLGE – 1000 – 8 – 5/8 – 136DN100S**



### Benefits

- Heavy duty coil & casing materials, resulting in a long operational product life.
- The close tube spacing and the specially corrugated fins make the heat transfer section extremely efficient.
- Plain profile fins without turbulators make the coil less prone to fouling and easier to clean.
- Motors built to IEC standards facilitate spare part service all over the world.
- Sturdy fan plates may be used as service platform.
- Reliable performance.
- Easy-install & maintenance.
- Energy efficient - low total cost of ownership.
- One full year product guarantee.
- Over 15 years experience from more than 600 projects. More than 5000 radiators working in different conditions all over the world.

